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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/568,022

02/10/2006

Dae Sung Lee

DE1674

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1109 7590 07/22/2008  
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EXAMINER

BERMAN, SUSAN W

ART UNIT

PAPER NUMBER

1796

MAIL DATE

DELIVERY MODE

07/22/2008

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/568,022	<b>Applicant(s)</b> LEE ET AL.	
	<b>Examiner</b> /Susan W. Berman/	<b>Art Unit</b> 1796	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  - ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)            | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date. ____.                                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>3-15-07</u> .   | 6) <input type="checkbox"/> Other: ____.                          |

***Information Disclosure Statement***

Reference KR 1999-47851, cited in the Search Report for PCT/KR2004/002037 mailed 12-13-2004 has been considered to the extent disclosed in the search report and written opinion. The reference is lined out on the IDS filed 03-15-2007 because no copy was received. A copy of KR publication 10240689, dated 10-26-1999, was received and has been considered but is not listed on the form 1449 submitted 03-15-2007.

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1 and 8 are rejected under 35 U.S.C. 102(b) as being anticipated by KR 1999-47851. KR '851 discloses an antistatic photocurable monomer and a radiation curable resin compositions containing the monomer wherein the resin compositions is used for coating various plastics to give an antistatic functional to the plastics. Specifically, the antistatic photocurable resin composition comprises a photopolymerizable urethane acrylate oligomer, acrylate monomer having a quaternary ammonium group as antistatic agent, an acrylate-functional reactive diluent and a photoinitiator. The reactive diluent can be pentaerythritol triacrylate, a polyethyleneglycol diacrylate, or the like. The photoinitiator can be hydroxycyclohexyl phenylketone or 2-hydroxy-2-methyl-1-phenylpropan-1-one.

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Claims 1-2 and 5-8 are rejected under 35 U.S.C. 102(b) as being anticipated by KR 2000-21804. KR '804 discloses a UV hardenable composition for protecting surfaces comprising 40-70 wt% UV polymerizable acrylate oligomer, 1-30-wt % reactive diluent, 0.1-10 wt % photopolymerization initiator, 0.01-5 wt% anti-blocking agent and 0.1-5 wt% charge prevention agent. The urethane oligomer is a fatty acid urethane acrylate having 6 acrylate groups. The diluent is a mono- or multi-functional acrylate monomer. The anti-blocking agent is liquid (meth)acrylated polysiloxane or (meth)acrylated organopolysiloxane. The antistatic agent is an acrylated ammonium compound.

Claims 1-2 and 5-7 are rejected under 35 U.S.C. 102(b) as being anticipated by KR 2002-74791. KR '791 discloses a resin compositions for coating optical fiber ribbon,, which shows increased tensile strength and surface-sliding properties, reduced contraction when cured and reduced surface friction in lamination, as well as minimized optical loss. The resin composition comprises (A) 50-80 wt. % photopolymerizable urethane acrylate monomer, (B) 15-50 wt % photopolymerizable monomer, (C) 3-15 wt % photoinitiator and (D) 0.1-5 wt % at least one silica or wax slipping agent and anti-foaming agent. The photopolymerizable urethane acrylate oligomer is produced by reaction of 5-30 wt% polyol copolymer, 20-40 wt% polyisocyanate, 20-35 wt% acrylate alcohol, 0.1-1 wt % urethane catalyst, 0.01-1 wt % polymerization initiator and 0.1-5 wt % additive selected from a slipping agent an antifoaming agent and an antioxidant. It is noted that claims 5-7, as written, do not require the presence of the optional sorbitan fatty acid ester.

Claims 1 and 3-8 are rejected under 35 U.S.C. 102(b) as being anticipated by Wells et al (6,022,620). Wells et al disclose optical fiber assemblies wherein the optical fiber has an organic polymer-based coating that contains an antistatic composition. Antistatic agents are taught in column 4, lines 40-46. organic liquids are taught in column 5, lines 1-31. The polymer-based coating is taught in column 6, lines 10-61. Additives include pigments or dyes (column 7, lines 5-8). It is noted that claims 5-7, as written, do not require the presence of the optional sorbitan fatty acid ester.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to /Susan W. Berman/ whose telephone number is 571 272 1067. The examiner can normally be reached on M-F 9:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Seidleck can be reached on 571 272 1078. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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6/21/2008

/Susan W Berman/  
Primary Examiner  
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